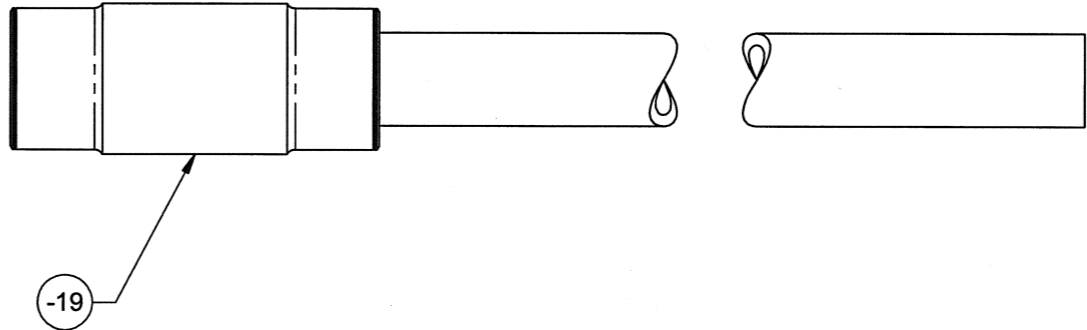
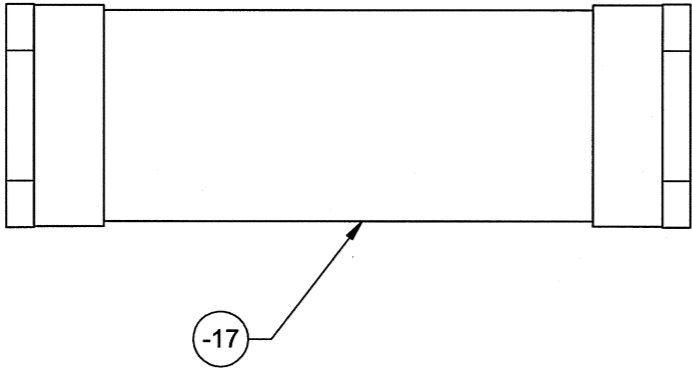


ITEM #	QTY	PART #	PART TITLE
-17	1	RBE703A95-0520-01-17	ENGINE & HYDRAULIC DRAIN TUBE QUILL ASSEMBLY
-19	1	RBE703A95-0520-01-19	ENGINE & HYDRAULIC DRAIN TUBE HOSE ASSEMBLY



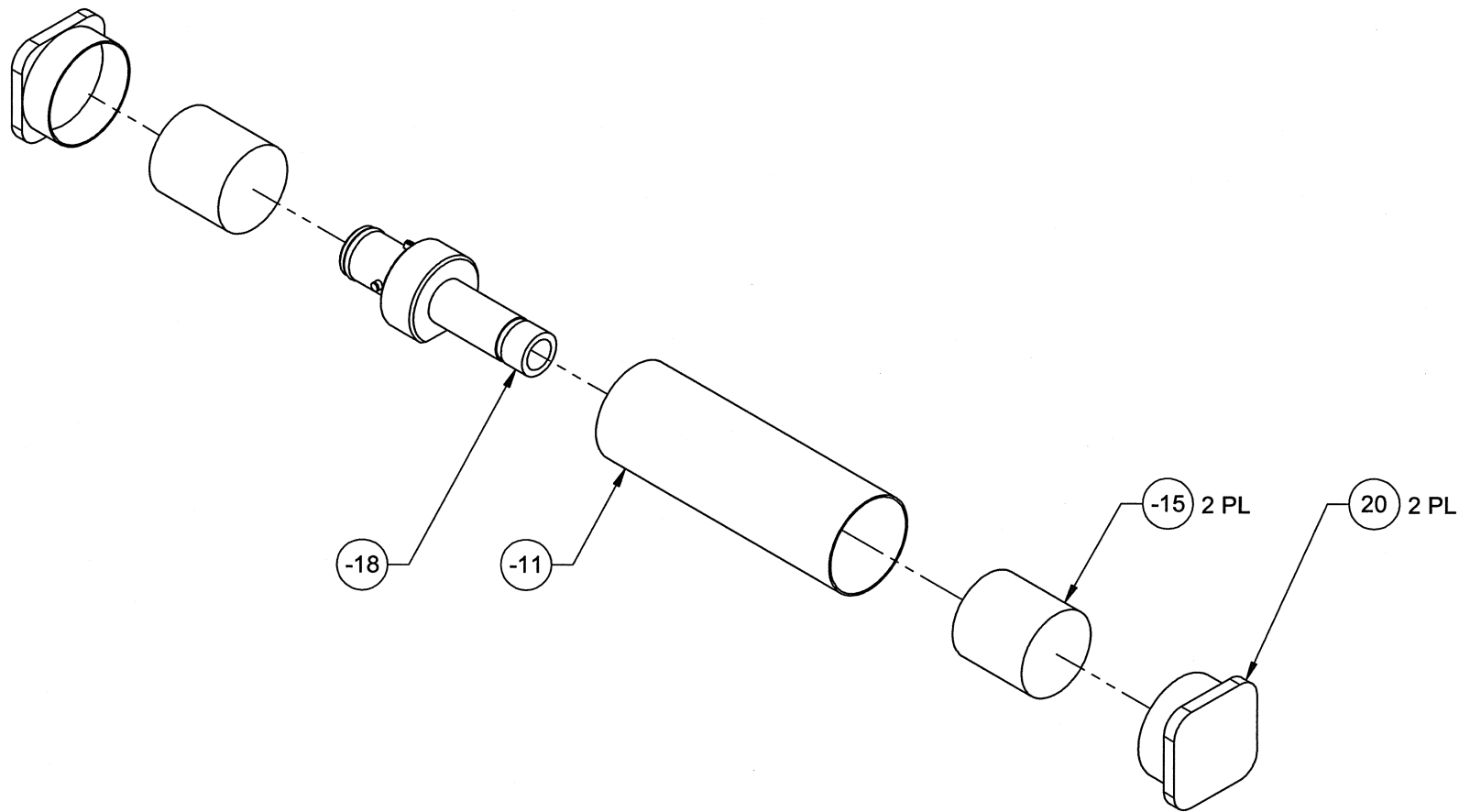
RBE703A95-0520-01 ENGINE & HYDRAULIC DRAIN TUBE

8

NOTES:
1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) IDENTIFICATION: N/A
7) ASSEMBLE AS SHOWN
8) PLACE ITEM -19 COILED INTO A TIGHT FITTING SEALED PLASTIC BAG WITH ITEM -17

K	-15 MATERIAL WAS NEW PIG #PAD210 OR EQUIV. IS McMaster#1887T48 OR EQUIV.	19-699	MBB
J	SEE PREVIOUS REVISION FOR MORE INFORMATION UPDATED DRAWING TEMPLATE ADDED ITEMS -17, -18, -19, AND 23 ITEM 22 WAS MCMASTER-CARR #91585A030 IS McMaster#93600A252 OR EQUIV. -1 DIM WAS $\varnothing 0.0983/0.0979$ IS $\varnothing 0.0984+0/-0.0008$. REMOVED FLATS FOR ENGRAVING S/N, T/N, AND "MADE IN USA". ADDED NEW FLAT FOR ENGRAVING T/N	19-561	KPT
REV.	DESCRIPTION	ECN #	BY
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART #	REV. K
MFG. APPR.	DP	RBE703A95-0520-01	SHEET 1 OF 7
APPROVED	WIP	TITLE	SCALE
DATE 4/24/2019		ENGINE & HYDRAULIC DRAIN TUBE	NTS
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ITEM #	QTY	PART #	PART TITLE
-11	1	RBE703A95-0520-01-11	TUBE
-15	2	RBE703A95-0520-01-15	FOAM
-18	1	RBE703A95-0520-01-18	QUILL ASSEMBLY
20	2	McMaster#2044T67 OR EQUIV.	VINYL END CAP FOR 1.09" ID. SHIPPING TUBE

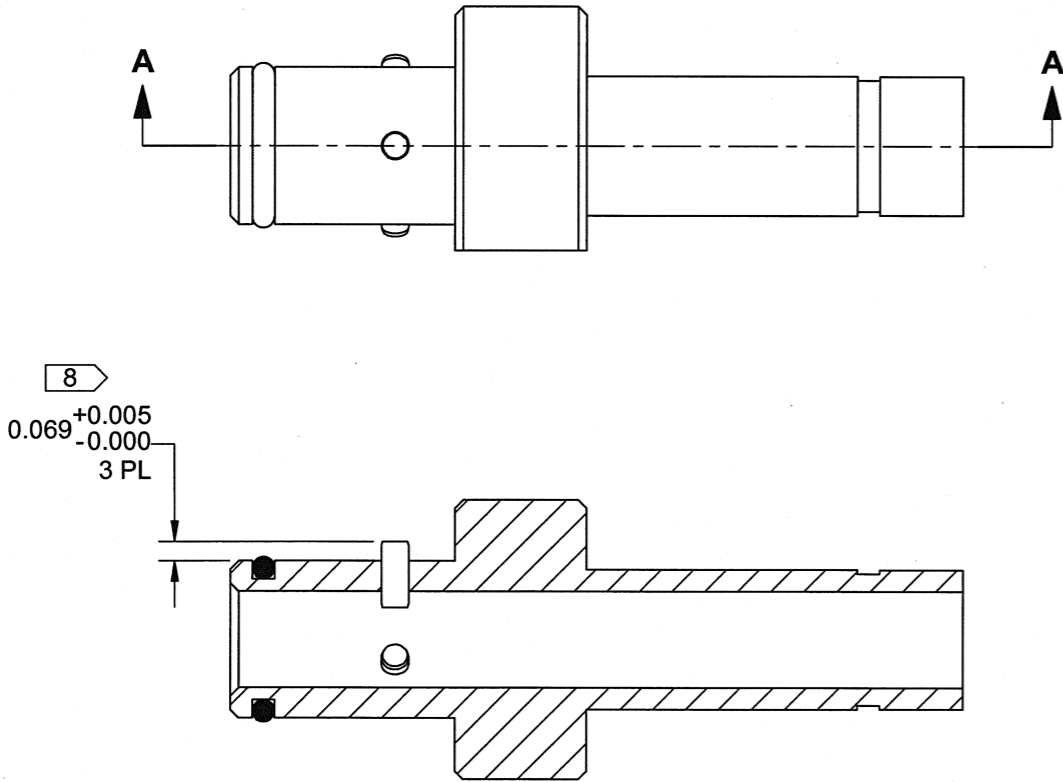


RBE703A95-0520-01-17 ENGINE & HYDRAULIC DRAIN TUBE QUILL ASSEMBLY

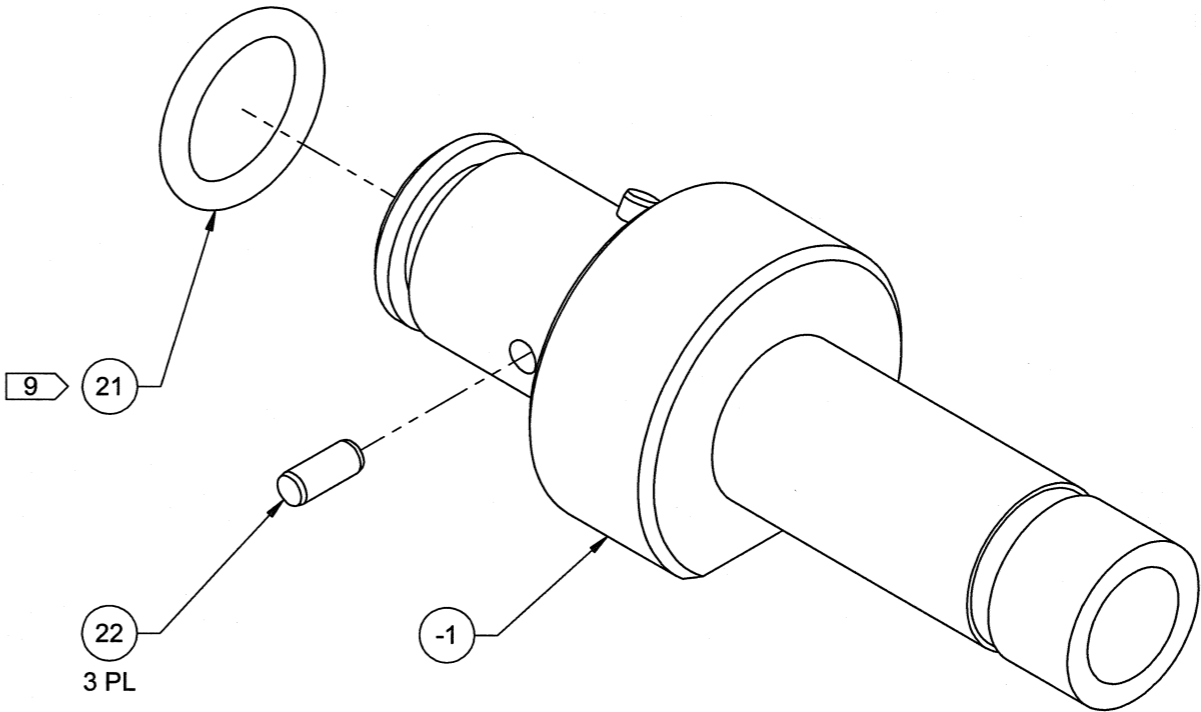
NOTES:
1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) IDENTIFICATION: N/A
7) ASSEMBLE AS SHOWN

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART #	REV. K
MFG. APPR.	DP	RBE703A95-0520-01	SHEET 2 OF 7
APPROVED	WY	TITLE	SCALE
DATE 4/24/2019		ENGINE & HYDRAULIC DRAIN TUBE	NTS
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ITEM #	QTY	PART #	PART TITLE
-1	1	RBE703A95-0520-01-1	QUILL
21	1	McMaster#9263K519 OR EQUIV.	VITON O-RING 11 mm ID. X 15 mm OD. X 2 mm THK.
22	3	McMaster#93600A252 OR EQUIV.	316 SS DOWEL PIN 2.5 mm DIA. X 6 mm LG.



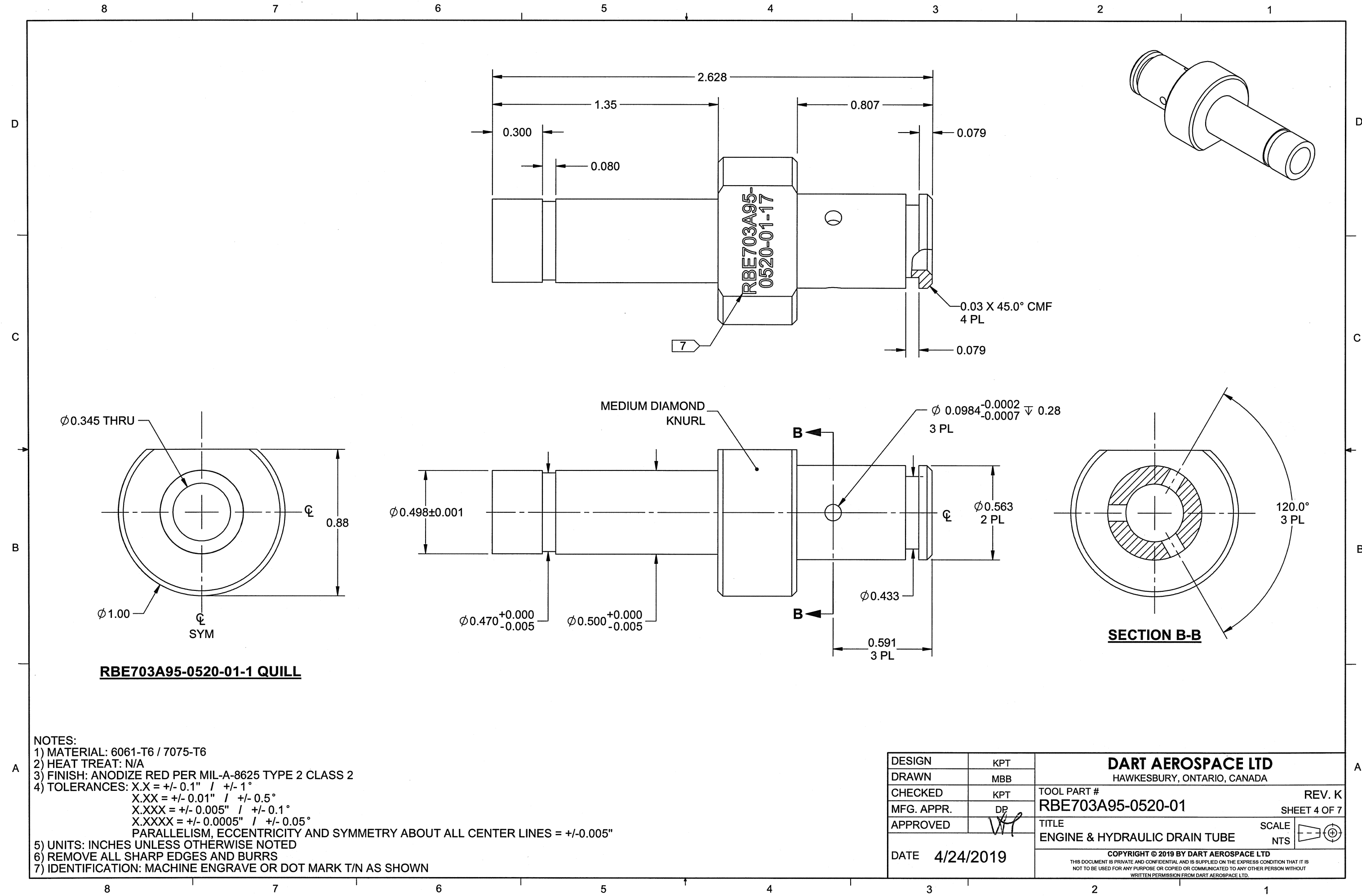
SECTION A-A



RBE703A95-0520-01-18 QUILL ASSEMBLY

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ASSEMBLE AS SHOWN
 - 8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM 22 WITH ITEM -1, AND REMOVE EXCESS
 - 9) APPLY MOLYKOTE 55 OR EQUIVALENT ON ITEM 21 THEN ASSEMBLE WITH ITEM -1 AND REMOVE EXCESS

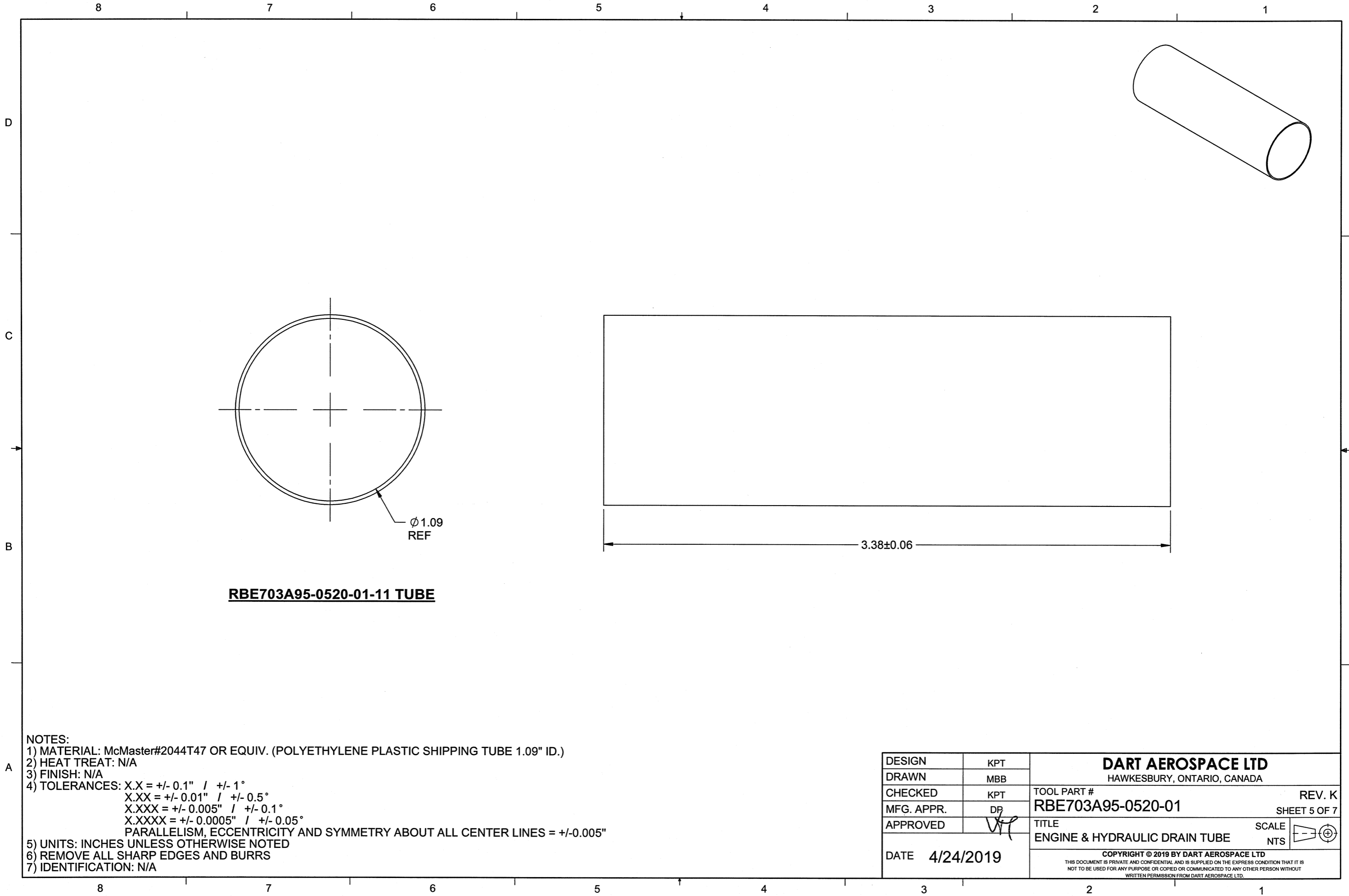
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART #	REV. K
MFG. APPR.	DP	RBE703A95-0520-01	SHEET 3 OF 7
APPROVED	Wp	TITLE	SCALE
DATE 4/24/2019		ENGINE & HYDRAULIC DRAIN TUBE	NTS
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NOTES:



- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N AS SHOWN

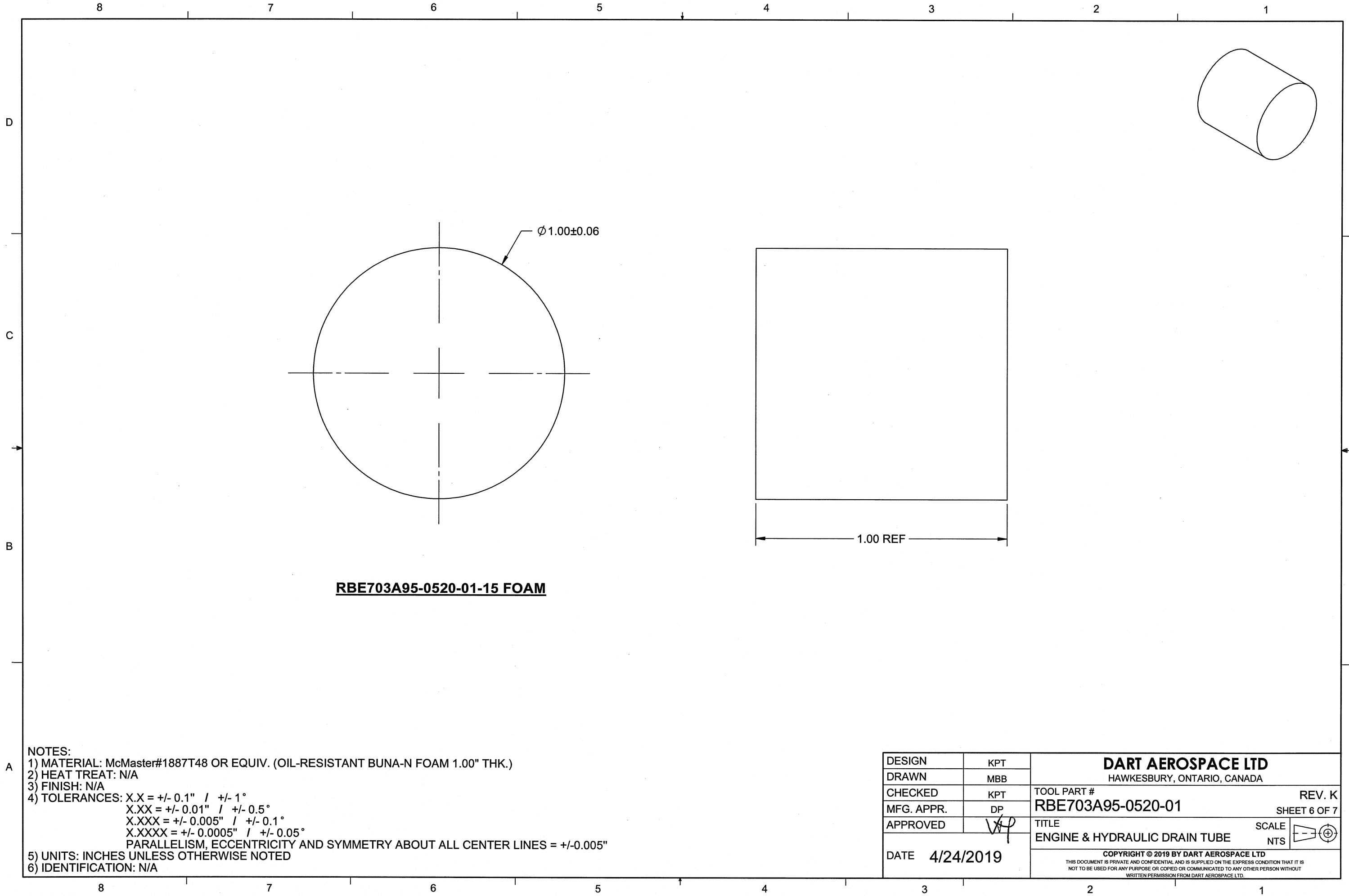
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART #	REV. K
MFG. APPR.	DP	RBE703A95-0520-01	SHEET 4 OF 7
APPROVED	WY	TITLE	SCALE
DATE 4/24/2019		ENGINE & HYDRAULIC DRAIN TUBE	NTS
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RBE703A95-0520-01-11 TUBE

NOTES:
1) MATERIAL: McMaster#2044T47 OR EQUIV. (POLYETHYLENE PLASTIC SHIPPING TUBE 1.09" ID.)
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
 X.XX = +/- 0.01" / +/- 0.5°
 X.XXX = +/- 0.005" / +/- 0.1°
 X.XXXX = +/- 0.0005" / +/- 0.05°
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES AND BURRS
7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART # RBE703A95-0520-01	REV. K
MFG. APPR.	DP		SHEET 5 OF 7
APPROVED		TITLE ENGINE & HYDRAULIC DRAIN TUBE	SCALE NTS 
DATE 4/24/2019		COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

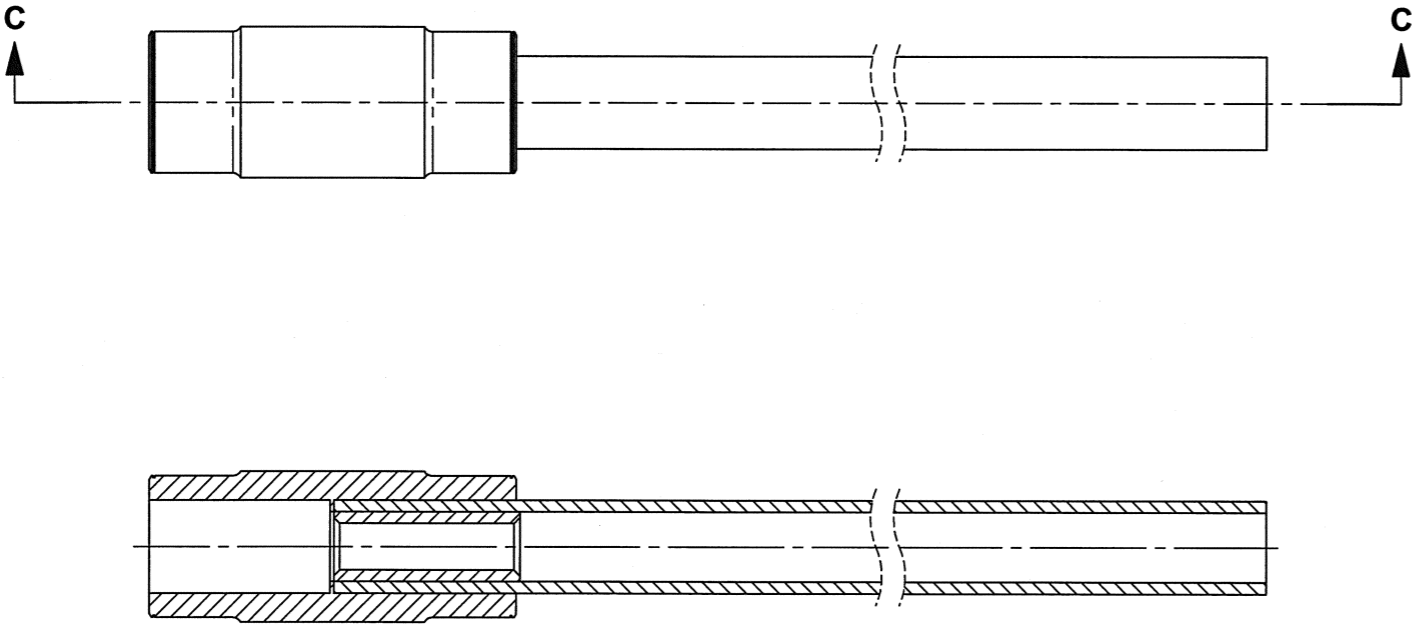


RBE703A95-0520-01-15 FOAM

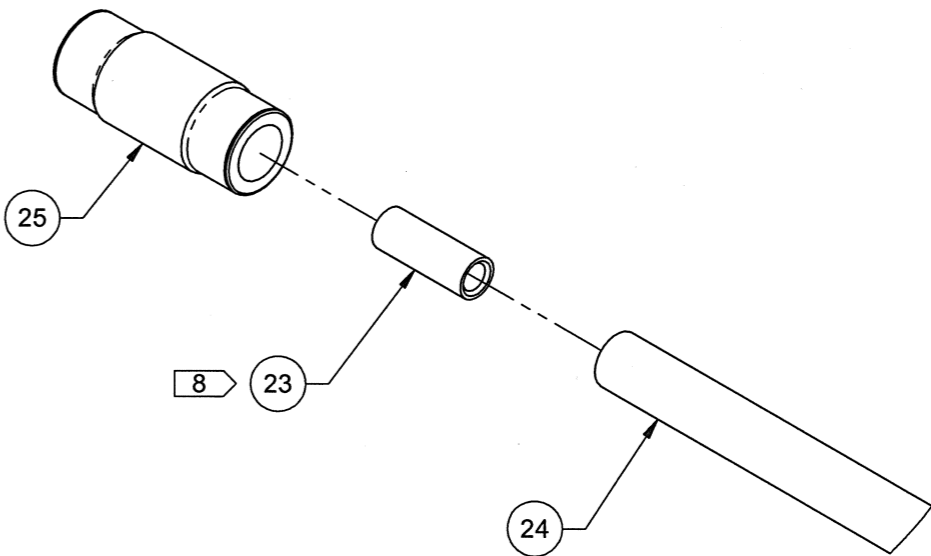
NOTES:
1) MATERIAL: McMaster#1887T48 OR EQUIV. (OIL-RESISTANT BUNA-N FOAM 1.00" THK.)
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
 X.XX = +/- 0.01" / +/- 0.5°
 X.XXX = +/- 0.005" / +/- 0.1°
 X.XXXX = +/- 0.0005" / +/- 0.05°
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART #	REV. K
MFG. APPR.	DP	RBE703A95-0520-01	SHEET 6 OF 7
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DATE 4/24/2019		ENGINE & HYDRAULIC DRAIN TUBE	NTS
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ITEM #	QTY	PART #	PART TITLE
23	1	DTSP10001	SLEEVE
24	1	KURI-TEC#K010-0608 OR EQUIV.	CLEAR PVC TUBING 1/2" OD. X 3/8" ID. X 72" LG.
25	1	McMaster#51495K116 OR EQUIV.	NICKEL-PLATED BRASS PUSH-TO-CONNECT 1/2" OD. TUBE FITTING



SECTION C-C



RBE703A95-0520-01-19 ENGINE & HYDRAULIC DRAIN TUBE HOSE ASSEMBLY

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) IDENTIFICATION: N/A
 - 7) ASSEMBLE AS SHOWN
 - 8) INSTALL ITEM 23 INTO ONE END OF ITEM 24 UNTIL FLUSH

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MBB		
CHECKED	KPT	TOOL PART #	REV. K
MFG. APPR.	DP	RBE703A95-0520-01	SHEET 7 OF 7
APPROVED		TITLE	SCALE
DATE 4/24/2019		ENGINE & HYDRAULIC DRAIN TUBE	NTS
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